

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Catalog of South Dakota Cores Housed
at the USGS Core Repository,
Denver, Colorado

By

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Open-File Report 86-89

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.

¹Denver, Colorado

INTRODUCTION

This report, compiled in December, 1985, catalogs the nineteen cores from the state of South Dakota that are housed at the U.S. Geological Survey Core Library. This computer-generated list provides the location, county, operator, well name, type, minimum depth, maximum depth, formation, and library number of each core. All cores in this compilation are listed in order of township, range, and section.

The Library's computer system has the additional capability of generating custom print-outs that are sorted by formation, geologic age, geographic location, operator, or any combination of these parameters. Parties may request custom sorted print-outs by telephone during working hours, or by letter.

All information contained in this core listing has been supplied to the U.S. Geological Survey by the well operator or commercial well-information company. Although this information is assumed to be accurate and correct, it is the responsibility of parties using this print-out to verify all information contained herein. The U.S. Geological Survey makes no guarantee (either stated or implied) as to information accuracy.

To facilitate the examination of cores, a well lighted core-examination room is provided for Library visitors. Binocular microscopes, standard testing chemicals, a photo stand, and a small reference library are available in the core-examination room. A collection of approximately 6,000 thin sections is also available for study at the repository. Due to limited space for core examination, users should make an appointment prior to visiting the Core Library.

The Core Library encourages the preservation of cores at the Denver area repository, and at public facilities across the United States. Parties interested in donating material to the U.S. Geological Survey Core Library should contact the repository prior to the shipment of samples.

GENERAL INFORMATION

Name, Mailing Address, Telephone

U.S. Geological Survey
Core Library
Box 25046 Mail Stop 975
Denver Federal Center
Denver, CO 80225
(303)236-1930

Area Represented by Core

Wyoming:	44 percent
Montana:	23 percent
Colorado:	15 percent
North Dakota:	7 percent
Other Western States:	11 percent
(AZ, CA, ID, KS, NE, NV, NM, OK, SD, UT, WA)	

Location or Shipping Address

5293 Ward Road, Building A
Arvada, CO 80002
(Address change likely by 1987)

Hours

8:30-4:30
Monday through Friday
Appointment necessary

Catalog

Core information is on index cards and a computer data base, and includes the location, formation name, depth, type of sample, footage represented, and operator. Individual state catalogs are in preparation. A computer search can be made by catalog parameters singly or in combination. Call for details.

Additional Information Available

Photographs, analyses and thin sections (both limited in number).

Collection Size

Core: 4,700 locations
Thin Sections: 6,000 slides

Purpose of Wells (Holes)

Oil and gas:	85 percent
Oil shale:	10 percent
Coal:	3 percent
Mining:	2 percent

Facilities and Services

The facility occupies 45,000 square feet in a concrete building with heat, air conditioning, electricity, telephone, and restrooms. The examination room occupies 1,000 square feet and is equipped with binocular and petrographic microscopes, trim saw and plugger, testing chemicals, camera, porosity-permeability equipment (USGS use only), and a small reference library. Retrieval, replacement, slabbing, and trimming of material are provided. Descriptive literature is available.

Curation Policy

User fees: No
Sampling of material: If duplicate analyses and thin sections are returned to files.
Loan of material: No

The facility is accepting oil and gas cores from the Rocky Mountain region, and material of research interest to the USGS. Material can be kept confidential for 1 year. All samples sent to the repository must be labeled as to operator, well name, location, and formation.

The library cannot accept shipments of material on a collect basis.

SOUTH DAKOTA
ABBREVIATED FORMATION/AGE NAMES

EGLE - Eagle	NBRR - Niobrara	SNNN - Shannon	UNKN - Unknown
FRNR - Frontier	RDRV - Red River	TRNR - Turner	WLCK - Wall Creek
			WNPG - Winnipeg

COUNTY NUMBERS

AURORA-----003	DAY-----037	JACKSON-----071	PERKINS-----105
BEADLE-----005	DEUEL-----039	JERAULD-----073	POTTER-----107
BENNETT-----007	DEWEY-----041	JONES-----075	ROBERTS-----109
BON HOMME-----009	DOUGLAS-----043	KINGSBURY-----077	SANBORN-----111
BROOKINGS-----011	EDMUNDS-----045	LAKE-----079	SHANNON-----113
BROWN-----013	FALL RIVER-----047	LAWRENCE-----081	SPINK-----115
BRULE-----015	FAULK-----049	LINCOLN-----083	STANLEY-----117
BUFFALO-----017	GRANT-----051	LYMAN-----085	SULLY-----119
BUTTE-----019	GREGORY-----053	MCCOOK-----087	TODD-----121
CAMPBELL-----021	HAAKON-----055	MCPHERSON-----089	TRIPP-----123
CHARLES MIX-----023	HAMLIN-----057	MARSHALL-----091	TURNER-----125
CLARK-----025	HAND-----059	MEADE-----093	UNION-----127
CLAY-----027	HANSON-----061	MELLETTE-----095	WALWORTH-----129
CODINGTON-----029	HARDING-----063	MINER-----097	WASHBAUGH-----131
CORSON-----031	HUGHES-----065	MINNEHAHA-----099	YANKTON-----135
CUSTER-----033	HUTCHINSON-----067	MOODY-----101	ZIEBACH-----137
DAVISON-----035	HYDE-----069	PENNINGTON-----103	

OTHER ABBREVIATIONS

MIN-----Minimum depth in feet	S-----Slabbed
MAX-----Maximum depth in feet	F-----Full Diameter
	C-----Core Chips

SOUTH DAKOTA

<u>LOCATION</u>	<u>COUNTY</u>	<u>OPERATOR</u>	<u>NAME</u>	<u>TYPE</u>	<u>MIN</u>	<u>MAX</u>	<u>FORMATION</u>	<u>LIBRARY NUMBER</u>
3S 9E 26	33	GRAVES DR LG	1 BURGMAYER	S	854 941	864 1020	NBRR NBRR	B331
3N 25E 23	117	GRAVES DR LG	1 NEMEC	S	1080 1124	1092 1139	NBRR NBRR	B329
5N 22E 16	55	ADOBE GAS & OIL CORP	1-16 STATE	S	1603 1641	1613 1659	TRNR TRNR	S111
9N 8E 33	10	ENERGY RESERVES GRP	1 OLIVER	S	5330 5701	5352 5730	RDRV WNPG	A751
12N 4E 15	19	J MCCUTCHIN JR	3 ANTELOPE CK U	F	640 790	670 820	EGL SNNN	S112
12N 22E 4	41	INVESTORS DR LG	1 HOLLOWAY	S	5000	5042	RDRV	A199
12N 22E 4	41	INVESTORS DR LG	2 HOLLOWAY	S	4985	5034	RDRV	A192
13N 6E 5	19	DAVIS OIL CO	1 TOM	S	967	997	SNNN	B748
13N 22E 20	41	INVESTORS DR LG	1 COWENS	S	4975	5030	RDRV	A196
14N 5E 13	19	DAVIS OIL CO	1 BURKE	S	1230	1242	SNNN	B668
14N 7E 13	19	DAVIS OIL CO	1 ORWICK	C	1586	1598	SNNN	B749
16N 22E 13	55	ADOBE OIL & GAS CORP	1-13 STATE	S	1068	1311	WLCK	A698
19N 16E 24	105	TEXAS PACIFIC OIL CO	1 ELSON	S	7120 7779	7148 7821	RDRV WNPG	B265
21N 7E 23	63	ANADARKO PROD CO	AI KLOYDA	S	8691	8750	RDRV	A226

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22N 2E 1	63	HOUSTON OIL & MIN CO	31-1 FEDERAL	S	8422 8513	8464 8545	RDRV RDRV	B967
22N 3E 1	63	KOCH EXPL	34-1 HANSON	S	8952 9078	8972 9134	RDRV RDRV	C656
22N 5E 6	63	LUFF-HANOVER	1-6 TRAVERS	S	8957	9022	RDRV	B936
23N 2E 23	63	HOUSTON OIL & MIN CO	13-23 HARDING COUNTY	S	8444 8516	8485 8540	RDRV RDRV	B958
23N 3E 23	63	CLAYTON WILLIAMS JR	1-23 STEARNS	S	8910 9060	8937 9116	RDRV RDRV	C539